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(54) ORGANIC ELECTROLUMINESCENT ELEMENT MATERIAL AND ORGANIC ELECTROLUMINESCENT ELEMENT USING IT

group or arylamino group.

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide an organic EL element having high luminous efficiency in a spectrum region of yellow to red and long luminescent life, by using an organic luminescent element material having a specific structure.

SOLUTION: An element material represented by the formula is used. In the formula, A¹-A⁴ independently represent a substituted or unsubstituted alkyl group, a monocyclic group or a condensation polycyclic group, A¹ and A², and A³ and A⁴ represent a condensation polycyclic group using a nitrogen atom as a coupling means; Q¹, Q² independently represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group, monocyclic group or a condensation polycyclic group; R¹-R¹⁶ independently represent a hydrogen atom, halogen atom, cyano group, nitro group, substituted or unsubstituted alkyl group, alkoxy group, aryloxy group, alkylthio group, arylthio group, monocyclic group, condensation polycyclic group, amino group, alkylamino

